

## Abstract

In an elevator apparatus, a pulley is provided in a hoistway. A rope that moves together with the movement of a car is wound around the pulley. Further, the pulley is provided with a pulley sensor for generating a signal according to the rotation of the pulley. A rope sensor for measuring the movement speed of the rope is provided in the hoistway. A control panel is provided with: a first speed detecting portion for obtaining the speed of the car based on information from the pulley sensor; a second speed detecting portion for obtaining the speed of the car based on information from the rope sensor; and a determination portion for determining the presence/absence of slippage between the rope and the pulley by comparing the speeds of the car as respectively obtained by the first and second speed detecting portions.